

REMARKS

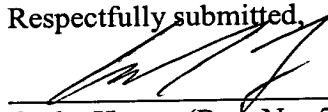
The only rejections remaining are section 102 and 103 rejections over Antos et al.

The claims are amended to exclude the platinum group metals of the prior art. The catalyst of Antos requires platinum group metals. See reference's abstract, and the disclosure on column 3, lines 18-32. The "consisting essentially of" language effectively excludes platinum group metals because the presence of platinum group metals would materially affect the basic and novel properties of invention. The non-noble group VIII metals do not overlap the platinum group metals of the reference. Antos does not teach or suggest a catalyst that does not contain platinum group metals. Thus, the claims are patentable.

Additionally, applicants have added new claims that further define the invention. The new claims also exclude the platinum group metals of the prior art. An obvious typographical error is corrected in claim 4.

The Commissioner is hereby authorized to charge any fees associated with this response or credit any overpayment to Deposit Account No. 13-3402.

Respectfully submitted,



Csaba Henter (Reg. No. 50,908)
Richard J. Traverso (Reg. No. 30,595)
Attorney/Agent for Applicant(s)

MILLEN, WHITE, ZELANO
& BRANIGAN, P.C.
Arlington Courthouse Plaza 1, Suite 1400
2200 Clarendon Boulevard
Arlington, Virginia 22201
Telephone: (703) 243-6333
Facsimile: (703) 243-6410

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS

The claims have been amended as follows:

4. (Three Times Amended) A catalyst according to claim 22 in which the group VIII ~~VIIIB~~ element is cobalt or nickel.

9. (Three Times Amended) A catalyst according to claim 22 consisting essentially of ~~comprising~~ in weight % with respect to the total catalyst mass:

- 0.01% to 50% of at least one group VIIIB element;
- 0.01% to 99.7% of at least one matrix;
- 0.01% to 50% of at least one hydro-dehydrogenating metal;
- 0.01 to 20% of an element selected from P, B, and Si;
- up to 15% of at least one group VIIA element.

22. (Amended) A catalyst ~~comprising~~ consisting essentially of
at least one matrix,
at least one group VIIIB metal,
at least one non-noble group VIII metal,
at least one group VI metal selected from the group consisting of molybdenum and tungsten,
optionally, at least one element from group VIIA, and
at least one element deposited on the matrix selected from the group consisting of phosphorus, boron and silicon.

Claims 23-26 have been newly added.